

**IN THE SPECIFICATION**

Replace paragraph [0074] with the following:

[0074] The existing pattern discovery algorithm "TEIRESIAS" discovers patterns in multiple sequences that satisfy user-defined criteria such as minimum support, width etc. This algorithm is generally available and is, for example, available in the World Wide Web (www) at cbcsrv(dot)Watson(dot)ibm(dot)com/tspd(dot)html. The TEIRESIAS algorithm is performed for these sequences and the Match-Set entries generated for  $\Phi^a$  are shown in Table 1 above. The results are presented in Table 2 below, which is a table of Match-Set entries generated by the TEIRESIAS algorithm for the replets.